

Author Index

Volume 37/38 (1992)

Allwright, J., New (Δ, D) graphs discovered by heuristic search	3- 8
Alon, N., Transmitting in the n -dimensional cube	9- 11
Bagga, K.S., L.W. Beineke, W.D. Goddard, M.J. Lipman and R.E. Pippert, A survey of integrity	13- 28
Bar-Yehuda, R. and T. Etzion, Connections between two cycles - a new design of dense processor interconnection networks	29- 43
Beineke, L.W., <i>see</i> K.S. Bagga	13- 28
Bermond, J.-C., C. Delorme and J.J. Quisquater, Table of large (Δ, D) -graphs	575-577
Camarda, P. and M. Gerla, Design and analysis of fault-tolerant multibus interconnection networks	45- 64
Campbell, L., Dense group networks	65- 71
Chung, F.R.K., Graphs with small diameter after edge deletion	73- 94
Cohen, G.D., <i>see</i> G. Zémor	553-562
Cooperman, G. and L. Finkelstein, New methods for using Cayley graphs in interconnection networks	95-118
Das, S.K., J. Ghosh and N. Deo, Stirling networks: a versatile combinatorial topology for multiprocessor systems	119-146
Delorme, C., Examples of products giving large graphs with given degree and diameter	157-167
Delorme, C., <i>see</i> J.-C. Bermond	575-577
Deo, N., <i>see</i> S.K. Das	119-146
Du, D.-Z., D.F. Hsu and G.W. Peck, Connectivity of consecutive- d digraphs	169-177
Esfahanian, A.-H., <i>see</i> G.W. Zimmerman	563-573
Etzion, T., <i>see</i> R. Bar-Yehuda	29- 43
Faudree, R.J., R.J. Gould and L.M. Lesniak, Generalized degrees and Menger path systems	179-191
Fernandez de la Vega, W. and Y. Manoussakis, The forwarding index of communication networks with given connectivity	147-155
Finkelstein, L., <i>see</i> G. Cooperman	95-118
Fiol, M.A., <i>see</i> J. Gómez	227-243
Fredricksen, H., A new look at the de Bruijn graph	193-203
Gerla, M., <i>see</i> P. Camarda	45- 64
Ghafoor, A., Connectivity, persistence and fault diagnosis of interconnection networks based on O_k and $2O_k$ graphs	205-226
Ghafoor, A., <i>see</i> P. Solé	501-510
Ghosh, J., <i>see</i> S.K. Das	119-146
Goddard, W.D., <i>see</i> K.S. Bagga	13- 28
Gómez, J., M.A. Fiol and J.L.A. Yebra, Graphs on alphabets as models for large interconnection networks	227-243
Gordon, J.M., Analysis of minimal path routing schemes in the presence of faults	245-263

- Gould, R.J., *see* R.J. Faudree 179-191
- Graham, N. and F. Harary, Changing and unchanging the diameter of a hypercube 265-274
- Hamidoune, Y.O., A.S. Llado and O. Serra, The connectivity of hierarchical Cayley digraphs 275-280
- Harary, F., *see* N. Graham 265-274
- Heinrich, K., K. Kim and V.K. Prasanna Kumar, Perfect latin squares 281-286
- Heydemann, M.C., J.C. Meyer, J. Opatrny and D. Sotteau, Forwarding indices of k -connected graphs 287-296
- Heydemann, M.C., J. Opatrny and D. Sotteau, Broadcasting and spanning trees in de Bruijn and Kautz networks 297-317
- Hollmann, H.D.L. and J.H. van Lint Jr, Nonblocking self-routing switching networks 319-340
- Hsu, D.F., *see* D.-Z. Du 169-177
- Hu, X.D. and F.K. Hwang, An improved upper bound for the subarray partial concentrators 341-346
- Hwang, F.K., *see* X.D. Hu 341-346
- Jamison, R.E., *see* D.R. Shier 489-500
- Jørgensen, L.K., Diameters of cubic graphs 347-351
- Kantor, W.M., Some large trivalent graphs having small diameters 353-357
- Kawaguchi, K., *see* K. Wada 539-552
- Kim, K., *see* K. Heinrich 281-286
- Kruskal, C.P. and M. Snir, Cost-performance tradeoffs for interconnection networks 359-385
- Lazard, E., Broadcasting in DMA-bound bounded degree graphs 387-400
- Lesniak, L.M., *see* R.J. Faudree 179-191
- Liestman, A.L. and J.G. Peters, Minimum broadcast digraphs 401-419
- Lipman, M.J., *see* K.S. Bagga 13- 28
- Llado, A.S., *see* Y.O. Hamidoune 275-280
- Manoussakis, Y., *see* W. Fernandez de la Vega 147-155
- Maurer, U.M., Asymptotically-tight bounds on the number of cycles in generalized de Bruijn-Good graphs 421-436
- Meyer, J.C., *see* M.C. Heydemann 287-296
- Opatrny, J., *see* M.C. Heydemann 287-296
- Opatrny, J., *see* M.C. Heydemann 297-317
- Peck, G.W., *see* D.-Z. Du 169-177
- Peters, J.G., *see* A.L. Liestman 401-419
- Pippenger, N., The asymptotic optimality of spider-web networks 437-450
- Pippert, R.E., *see* K.S. Bagga 13- 28
- Plesník, J., Heuristics for the Steiner problem in graphs 451-463
- Prasanna Kumar, V.K., *see* K. Heinrich 281-286
- Quisquater, J.J., *see* J.-C. Bermond 575-577
- Rosenberg, A.L., Product-shuffle networks: toward reconciling shuffles and butterflies 465-488
- Serra, O., *see* Y.O. Hamidoune 275-280
- Sheikh, S.A., *see* P. Solé 501-510
- Shier, D.R., E.J. Valvo and R.E. Jamison, Generating the states of a binary stochastic system 489-500
- Snir, M., *see* C.P. Kruskal 359-385
- Solé, P., A. Ghafoor and S.A. Sheikh, The covering radius of Hadamard codes in odd graphs 501-510
- Soneoka, T., Super edge-connectivity of dense digraphs and graphs 511-523
- Sotteau, D., *see* M.C. Heydemann 287-296

Sotteau, D., <i>see</i> M.C. Heydemann	297-317
Valvo, E.J., <i>see</i> D.R. Shier	489-500
van Lint Jr, J.H., <i>see</i> H.D.L. Hollmann	319-340
Villar, J.L., The underlying graph of a line digraph	525-538
Wada, K. and K. Kawaguchi, Efficient fault-tolerant fixed routings on $(k+1)$ -connected digraphs	539-552
Yebra, J.L.A., <i>see</i> J. Gómez	227-243
Zémor, G. and G.D. Cohen, Application of coding theory to interconnection networks	553-562
Zimmerman, G.W. and A.-H. Esfahanian, Chordal rings as fault-tolerant loops	563-573